

In the Claims:

Please amend the claims as follows:

1-15 (cancelled)

16. (currently amended) An analysis and culture apparatus, comprising:  
a well plate comprising several wells having depth directions, and  
~~the wells having~~ separate caps to close the wells to form closed spaces, wherein the caps  
can be removably attached in the wells, are transparent in the depth directions of the wells, and  
have an inlet passage and an outlet passage integrated in the cap for introducing matter to the  
closed space and for removing it from the closed space, respectively, the caps further comprising  
an insert part configured to be placed in the well, said insert part having a lower surface, and a  
shoulder supported by an upper edge of the well, said inlet passage and outlet passage opening  
on the lower surface of the insert part.

17. (cancelled)

18. (currently amended) The analysis and culture apparatus according to claim 17, 16,  
wherein the cap comprises a flange part being wider than the insert part and having a lower  
surface forming said shoulder.

19. (currently amended) The analysis and culture apparatus according to claim 17,

~~wherein there is 16, further comprising:~~

a seal around the insert part, which seal is placed against a side wall of the well.

20. (currently amended) The analysis and culture apparatus according to claim 18,

~~wherein there is claim 18, further comprising:~~

a seal around the insert part, which seal is placed against a side wall of the well.

21. (cancelled)

22. (cancelled)

23. (currently amended) The analysis and culture apparatus according to claim ~~21~~, 16,

wherein the inlet passage opens at a lower position than the outlet passage.

24. (previously presented) The analysis and culture apparatus according to claim 18,

wherein, in order to couple the inlet and outlet channels to the cap, there are connection apertures on the outer surface of the flange part.

25. (currently amended) The analysis and culture apparatus according to claim ~~17~~, 16,

wherein there is an inclined portion on the lower surface of the insert part.

26. (previously presented) The analysis and culture apparatus according to claim 21,

wherein there is an inclined portion on the lower surface of the insert part.

27. (cancelled)

28. (cancelled)

29. (previously presented) The analysis and culture apparatus according to claim 16, wherein separate input channels are brought to the caps placed in the wells.

30. (cancelled)

31. (currently amended) A cover for an analysis and culture apparatus comprising several wells, said cover ~~being~~ comprising:

a separate cap, which can be removably attached to an ~~individual~~ individual well having a depth direction in order to close ~~it, the individual well,~~ and to which an inlet passage and an outlet passage for bringing matter to the well and for removing ~~it~~ matter from the well, respectively, are integrated, the cap comprising an insert part configured to be placed in the individual well, said insert part having a lower surface and a shoulder above the insert part, wherein the shoulder is configured to be supported by an upper edge of the individual well, said inlet passage and said outlet passage opening on the lower surface of the insert part.

32. (cancelled)

33. (currently amended) The cover according to claim ~~32,~~ 31, wherein the cap further

comprises a flange part being wider than the insert part and having a lower surface forming said shoulder.

34. (currently amended) The cover according to claim 32, ~~wherein there is~~ 31, further comprising:

a seal around the insert part, ~~which is intended~~ wherein the seal is configured to be placed against a side wall of the well.

35. (currently amended) The cover according to claim 33, ~~wherein there is~~ further comprising:

a seal around the insert part, ~~which is intended~~ wherein the seal is configured to be placed against a side wall of the well.

36. (cancelled)

37. (cancelled)

38. (cancelled)